

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query                          | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---------------------------------------|---|------------------|---------|---------------------|
| L2    | 96   | lactogenesis and milk                 | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2011/05/02<br>15:10 |
| L3    | 26   | lactogenesis and milk<br>and mastitis | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2011/05/02<br>15:10 |
| L4    | 132  | lactogenesis                          | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2011/05/02<br>15:11 |
| L5    | 2    | ("5797872").PN.                       | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2011/05/02<br>15:18 |
| L6    | 86   | teat streak canal                     | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2011/05/02<br>15:25 |
| L7    | 63   | teat streak canal                     | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2011/05/02<br>15:25 |
| L8    | 10   | teat streak canal and<br>plug         | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2011/05/02<br>15:25 |

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| L9  | 63  | teat streak canal \   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2011/05/02<br>15:30 |
| L10 | 4   | epithelium teat   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2011/05/02<br>15:32 |
| L11 | 527 | streak canal  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>15:46 |
| L12 | 231 | streak canal cow  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>15:47 |
| L13 | 4   | ("3938517").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2011/05/02<br>16:05 |
| L14 | 11  | ("1899492"  <br>"2368576"  <br>"2832343"  <br>"3690316"  <br>"3703898").PN. OR<br>("3938517").URPN. | US-PGPUB;<br>USPAT; USOCR   | AND  | ON  | 2011/05/02<br>16:05 |
| L15 | 0   | (128/271).CCLS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2011/05/02<br>16:06 |
| L16 | 11  | ("1899492"  <br>"2368576"  <br>"2832343"  <br>"3690316"  <br>"3703898").PN. OR<br>("3938517").URPN. | US-PGPUB;<br>USPAT; USOCR   | AND  | ON  | 2011/05/02<br>16:06 |

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| S1  | 68   | ("1688795"   "1797339"   "1899492"   "1957673"   "1995051"   "2244027"   "2368576"   "2832343"   "3030960"   "3703898"   "3821956"   "3938517"   "4331651"   "4385633"   "6221060"   "6756048").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/10/21 14:00 |
| S2  | 1302 | teat mastitis   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/10/21 14:03 |
| S3  | 705  | teat mastitis treatment   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2010/10/21 14:03 |
| S4  | 5    | ("2498374").URPN.   | USPAT  | AND | ON | 2010/10/21 14:04 |
| S5  | 9    | ("3071139").URPN.   | USPAT  | AND | ON | 2010/10/21 14:05 |
| S6  | 19   | ("4352792"   "4866080"   "5449794").PN. OR ("5861430").URPN.  | US-PGPUB; USPAT; USOCR                                   | AND | ON | 2010/10/21 14:09 |
| S7  | 0    | biodegradable teat dilator  | USPAT  | AND | ON | 2010/10/21 14:14 |
| S8  | 0    | degradable teat dilator   | USPAT  | AND | ON | 2010/10/21 14:14 |
| S9  | 4    | teat dilator silicone   | USPAT  | AND | ON | 2010/10/21 14:14 |
| S10 | 2    | teat dilator implant  | USPAT  | AND | ON | 2010/10/21 14:14 |
| S11 | 31   | teat dilator  | USPAT  | AND | ON | 2010/10/21 14:14 |

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| S12 | 60  | ("0876775"  <br>"2450217"  <br>"2704076"  <br>"3030960"  <br>"3385300").PN. OR<br>("3821956").URPN.   | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2010/10/21<br>14:15 |
| S13 | 3   | ("4011312").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2010/10/21<br>14:42 |
| S14 | 10  | (US-2244027-\$ or US-<br>6221060-\$ or US-<br>5876452-\$ or US-<br>6013853-\$ or US-<br>4385633-\$ or US-<br>3821956-\$ or US-<br>1957673-\$ or US-<br>4011312-\$).did. or<br>(US-2498374-\$ or US-<br>3071139-\$).did. | USPAT; USOCR  | AND | ON  | 2010/10/21<br>18:51 |
| S15 | 0   | teat mastitis dilator<br>protrusion   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/21<br>20:57 |
| S16 | 12  | teat mastitis<br>protrusion   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/21<br>20:57 |
| S17 | 502 | teat mastitis device  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/21<br>20:58 |
| S18 | 98  | teat mastitis device<br>teat canal  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/21<br>21:08 |
| S19 | 8   | teat mastitis device<br>anchor canal  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/21<br>21:12 |

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| S20 | 9       | ("1057299").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2010/10/22<br>08:51 |
| S21 | 1       | (10/572991).APP.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2010/10/22<br>08:51 |
| S22 | 1192348 | s "14" and remove   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/22<br>09:13 |
| S23 | 10      | (US-2244027-\$ or US-<br>6221060-\$ or US-<br>5876452-\$ or US-<br>6013853-\$ or US-<br>4385633-\$ or US-<br>3821956-\$ or US-<br>1957673-\$ or US-<br>4011312-\$).did. or<br>(US-2498374-\$ or US-<br>3071139-\$).did. | USPAT; USOCR  | AND | ON  | 2010/10/22<br>09:13 |
| S24 | 4       | S23 and remove  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/22<br>09:13 |
| S25 | 0       | S23 and lactogenesis  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/22<br>09:13 |
| S26 | 1321    | mastitis remove<br>device   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/22<br>09:14 |
| S27 | 15      | mastitis remove<br>device lactogenesis  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2010/10/22<br>09:14 |

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| S28 | 392  | mastitis remove device dilatation       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/10/22 09:15 |
| S29 | 160  | mastitis remove device dilatation canal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/10/22 09:15 |
| S30 | 389  | mastitis remove device dilatation cow   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2010/10/22 09:17 |
| S31 | 353  | (604/514).CCLS.                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2010/10/22 09:41 |
| S32 | 876  | (604/104).CCLS.                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2010/10/22 09:41 |
| S33 | 2806 | (604/264).CCLS.                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2010/10/22 09:41 |
| S34 | 28   | (119/14.21).CCLS.                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2010/10/22 09:41 |
| S35 | 49   | (119/14.19).CCLS.                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2010/10/22 09:42 |

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| S36 | 0    | teat streak occluder | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:57 |
| S37 | 0    | udderoccluder        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:57 |
| S38 | 1    | udder occluder       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:57 |
| S39 | 7032 | udder                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:58 |
| S40 | 3052 | udder cow            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:58 |
| S41 | 0    | udder cow occluder   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:58 |
| S42 | 320  | udder cow barrier    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:58 |
| S43 | 1454 | udder cow device     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:58 |

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| S44 | 249  | udder cow plug                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:59 |
| S45 | 247  | udder cow plug not dilator              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>16:59 |
| S46 | 92   | udder cow plug infection not dilator    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:00 |
| S47 | 104  | udder cow plug mastitis not dilator     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:00 |
| S48 | 5    | udder cow plug involution not dilator   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:00 |
| S49 | 5    | udder cow plug involution               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:00 |
| S50 | 2118 | udder cow milking not dilator           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:03 |
| S51 | 84   | udder cow milking cessation not dilator | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/04/26<br>17:04 |

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| S52 | 29    | udder cow involution   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2011/04/26<br>17:04 |
| S53 | 24    | ("0488282"  <br>"3476085"  <br>"3659558"  <br>"3967586"  <br>"3967587"  <br>"4269143"  <br>"4303038"  <br>"4452177"  <br>"4530307"  <br>"4537152"  <br>"5161482"  <br>"5178095"  <br>"5218924"  <br>"5291853").PN. OR<br>("6055931").URPN. | US-PGPUB;<br>USPAT; USOCR   | AND | ON  | 2011/04/26<br>17:09 |
| S54 | 5     | ("2498374").URPN.  | USPAT   | AND | ON  | 2011/04/26<br>17:11 |
| S55 | 376   | (604/514).CCLS.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/04/29<br>11:17 |
| S56 | 896   | (604/104).CCLS.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2011/05/02<br>08:04 |
| S57 | 16    | S56 cow  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2011/05/02<br>08:04 |
| S58 | 14898 | teat   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2011/05/02<br>08:05 |

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| S59 | 125  | teat streak               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>08:05 |
| S60 | 1    | (10/572991).APP.          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2011/05/02<br>08:18 |
| S61 | 426  | mastitis with prevention  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>08:36 |
| S62 | 140  | teat epithelium           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>08:42 |
| S63 | 4    | teat epithelium           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2011/05/02<br>08:42 |
| S64 | 1238 | teat plug                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON  | 2011/05/02<br>09:00 |
| S65 | 271  | teat plug                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2011/05/02<br>09:00 |
| S66 | 40   | teat infection prevention | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2011/05/02<br>09:07 |

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| S67 | 1 | teat infection prevention and epithelium | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2011/05/02 09:08 |
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### EAST Search History (Interference)

| Ref # | Hits | Search Query      | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------|------|------------------|---------|------------------|
| L17   | 0    | (604/104).CCLS.   | UPAD | OR               | OFF     | 2011/05/02 16:13 |
| L18   | 4    | (604/514).CCLS.   | UPAD | OR               | OFF     | 2011/05/02 16:13 |
| L19   | 0    | (119/14.21).CCLS. | UPAD | OR               | OFF     | 2011/05/02 16:13 |
| L20   | 0    | (119/14.19).CCLS. | UPAD | OR               | OFF     | 2011/05/02 16:13 |

5/2/2011 4:14:31 PM

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